

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 8.0.2
Date: 06/08/2022 08:58 AM
Cytometer Baseline: 06/07/2022 10:19 AM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910859
Lot ID: 10398 **Expiration Date:** 01/31/2023
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123610	-2	1.35	123495	1.37
Blue	F	SSC	125000	123692	-2	2.84	124345	2.79
Blue	E	FITC	15860	15189	-5	2.21	369	13.90
Blue	D	PE	27718	27391	-2	1.72	638	10.06
Blue	B	PerCP-Cy5-5	38046	36791	-4	2.93	1002	14.74
Blue	A	PE-Cy7	26092	25975	-1	4.79	512	29.23
Red	C	APC	49104	48206	-2	2.71	1696	11.43
Red	A	APC-Cy7	28201	27342	-4	3.12	720	12.20
Violet	B	V450	9904	9443	-5	3.63	524	11.83
Violet	A	V500	39004	37884	-3	3.30	988	8.87

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23911	1.73	560	-9	N/A	N/A	Pass
Blue	F	SSC	55315	1.47	518	-10	N/A	N/A	Pass
Blue	E	FITC	57	55.60	487	-4	0.0456	106	Pass
Blue	D	PE	124	36.20	494	-2	0.4124	246	Pass
Blue	B	PerCP-Cy5-5	138	44.79	585	-4	0.0204	88	Pass
Blue	A	PE-Cy7	64	88.96	630	-2	0.0236	0	Pass
Red	C	APC	326	26.65	578	-3	0.0278	158	Pass
Red	A	APC-Cy7	96	43.16	551	-4	0.0065	1375	Pass
Violet	B	V450	84	50.02	465	7	0.0524	1981	Pass
Violet	A	V500	124	34.03	477	8	0.0257	1546	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-31.62	-31.31	1.02
Blue	20.35	16.28 - 24.42	1.29	1.03 - 1.55	0.00	0.00	1.44
Red	15.11	13.90 - 20.86	N/A	N/A	29.68	29.95	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.76

Threshold

Threshold (FSC): 10499

Fluidics

FACSFlow Pressure: 3.90
Spec.: 3.80 - 4.00
Sample Pressure: 3.70

Comments